Current and Planned Information Technology Projects

The report below presents information management strategies for each of the agency's business areas. Strategies also are presented for associated infrastructure components. Next steps in the implementation of these strategies are identified as current and planned/proposed projects/investments. *Projects shown in bold italics provide enhanced public access to information or services.* The current status of the planning and funding of each project is color-coded as shown below. **Notable issues for selected projects are shown in bold red type in the Comments column. Dependencies on projects in lower priority business areas are shown in bold blue type in the Comments column.**

Planned and funded for current biennium
Proposed; funding & staffing to be determined
Not planned in current biennium

Priority Business Area Investment

Facility/Site Identification

Manage facility/site identification data with the Facility/Site Identification (F/SID) System and Water Rights Application Tracking System (WRATS). WRATS will be referenced in F/SID to prompt users to access this system.

ID	Project Description	Risk/ Impact	Non-Staff $ (1000s)	Staffing	Fund Source	Start Date Schd/Actl	End Date Schd/Actl	Project Sponsor	Project Manager	Comments
439	*Facility/Site Search Consolidation (Internet/Intranet) More information*	Low Low					7-06 8-06	Debbie Stewart	Balaji Narayanan	**Had to spend a little extra time in User Acceptance phase due to amount of interfaces the FS system has across different programs systems.**

Natural Resources

Manage natural resources data (tabular and spatial) with GIS applications.

ID	Project Description	Risk/ Impact	Non-Staff $ (1000s)	Staffing	Fund Source	Start Date Schd/Actl	End Date Schd/Actl	Project Sponsor	Project Manager	Comments
6	*Enhance Digital Coastal Atlas to increase functionality and add data layers.*	Low Medium			SEA				Brian Lynn	**Loss of project lead, C. R. Donahue.**

Natural Resources

Manage natural resources data (tabular and spatial) with GIS applications.

ID	Project Description	Risk/ Impact	Non-Staff $ (1000s)	Staffing	Fund Source	Start Date Schd/Actl	End Date Schd/Actl	Project Sponsor	Project Manager	Comments
441	*Integrated Well Construction and Licensing System: By fully integrating the Well Log Imaging System and Well Construction and Licensing System we would have a more automated system for entry and retrieval of well and licensing data.*	Low Medium	344,000	2.00	WR		12-08			A decision package has been submitted. Since funds are already being collected from a raise in Well Construction fees, stakeholders are expecting a more efficient way to submit information required by the Department, and a more user friendly approach to licensing information. There is also a concern about meeting regulation requirements for timely submittal of well reports and Notice of Intent forms by well drillers. Regional offices are reaching maximum storage capacity for documents retained for well construction. Regional offices have also reached maximum workload capacity for the scanning and entry of well reports and Notice of Intent forms. Well data is stored in several separate databases that are not fully linked; seeing recorded water allocations and water availability still requires extensive research and manual compilation of data, paper documents, and images.
417	WATER RIGHT TRACKING SYSTEM - .NET: Implement a more easily maintained architecture, using .NET.	Low Medium		2.00	Other		6-09	Stella Satter	Jeremiah Miller	A decision package has been submitted. This project is being integrated with project 418: WATER RIGHTS TRACKING SYSTEM - INTERNET: internet access enhancement.
418	*-- WATER RIGHTS TRACKING SYSTEM - INTERNET: internet access enhancement.*	Low Low					6-09	Stella Satter	Jeremiah Miller	This project is being integrated with project 417, WATER RIGHT TRACKING SYSTEM - .NET: Implement a more easily maintained architecture, using .NET.

Environmental Monitoring

Manage environmental data with the Environmental Information Management (EIM) System and the Ambient Air Quality Monitoring System. Administer WOW volunteer monitoring database. Provide interpretive information. (Also see CWA 303(d) and TMDL databases under "Permitting and Compliance".)

ID	Project Description	Risk/ Impact	Non-Staff $ (1000s)	Staffing	Fund Source	Start Date Schd/Actl	End Date Schd/Actl	Project Sponsor	Project Manager	Comments
434	EPA Cross-Media Electronic Reporting - Final Rule - Impact Scoping	Low Medium					8-06	Debbie Stewart	Debbie Stewart	
438	*EIM-GIS Modifications for Advanced Analytical Tools (TCP) More information*	Low Low					9-06	Debbie Stewart	Ewan Whitaker	

Environmental Monitoring

Manage environmental data with the Environmental Information Management (EIM) System and the Ambient Air Quality Monitoring System. Administer WOW volunteer monitoring database. Provide interpretive information. (Also see CWA 303(d) and TMDL databases under "Permitting and Compliance".)

ID	Project Description	Risk/ Impact	Non-Staff $ (1000s)	Staffing	Fund Source	Start Date Schd/Actl	End Date Schd/Actl	Project Sponsor	Project Manager	Comments
446	*EIM - Internet Database Search Modifications to include SedQual Queries More information*	Medium Low					12-06	Jim Pendowski	Balaji Narayanan	**Project end date changed to December due to approved change request and TCP staff turnover.**
25	*Implement Northwest Air Data Exchange System (NWADES) More information*	Medium Medium	750	4.00	EPA Grant		10-07	Phyllis Baas	Kathy Sundberg	8/24/06: This project is in progress. So, far we have: -developed and published an RFP, selected and certified a vendor, and developed a contract with the vendor. We also requested and received a grant extension from the US EPA. -we have acquired all the necessary hardware and software need for the project. -In the last several days, the Ecology and local agency staff, and the vendor (DR DAS) have implemented the first (a TEST) version of the central system at the Ecology HQ building, have trained operator staff statewide, have deployed a new data logger to a remote site and are sucessfully polling (collecting) data from the remote site. Note: this is not in a production environment; we are implementing the new system in parallel with the existing system. -We will proceed to implement sites state-wide. No large issues looming. **High Impact - Visibility - to public and trading partners; multiple local agencies High Risk - Business Functions - Replacing mission critical system; multiple organizations involved 08/31/06 - The above ratings appear appear to be inconsistent with risk and impact ratings of other Ecology projects.**
280	*-- Improve Data Acquisition Technology. Data is currently aquired through a network of dial-up and leased line connections. This purpose of this project is to evaluate and implement newer technology (Internet, satelitte, radio Ethernet, etc.) as feasible. More information*				EPA Grant			Phyllis Baas	Kathy Sundberg	Included in NWADES project
297	*-- Implement New Server and Microsoft Database Technology. The purpose of this subproject is to aquire hardware and software technology.*				EPA Grant			Phyllis Baas	Kathy Sundberg	Will require vendor to be compliant with state and agency standards including Ecology's SQL Server database standard

Environmental Monitoring

Manage environmental data with the Environmental Information Management (EIM) System and the Ambient Air Quality Monitoring System. Administer WOW volunteer monitoring database. Provide interpretive information. (Also see CWA 303(d) and TMDL databases under "Permitting and Compliance".)

ID	Project Description	Risk/ Impact	Non-Staff $ (1000s)	Staffing	Fund Source	Start Date Schd/Actl	End Date Schd/Actl	Project Sponsor	Project Manager	Comments
298	*-- Improve Data Access and Reporting (includes "the Node"). Provide easier access to data and reports about ambient air quality. Provide data graphing and exporting/ node capabilities (within the vendor solution)and external reporting capabilities (Crystal Reports)*				EPA Grant			Phyllis Baas	Kathy Sundberg	Included in NWADES project
299	*-- Implement Electronic Strip Chart Recorders. Provide near real time charting and annotation capabilities for QC checks and the QA function. Provide graphical data editing.*				EPA Grant			Phyllis Baas	Kathy Sundberg	8/24/06: Included in NWADES project
300	*-- Integrate all manual method PM 2.5 data in to the data base of record. This data is currently kept in a MS-Acess database which is not highly functional or assessible.*				EPA Grant			Phyllis Baas	Kathy Sundberg	Included in NWADES Project
302	*-- Implement Site Information System. We are required to provide imformation about ambient air monitoring sites to the EPA/AQS system. This system would provide collect and track essential information about our sites.*				EPA Grant			Phyllis Baas	Kathy Sundberg	May be included in NWADES project; depends on RFP responses.
303	*-- Implement Equipment Tracking. To monitor the quality of the air requires numerous pieces of equipment; this equipment is located throughout the state and often on loan to other agencies. Federal and state policies require the accurate tracking of equipment. The current system is old and is fails each time a new Window OS or version of MS Acess is implemented.*				EPA Grant			Phyllis Baas	Kathy Sundberg	8/24/06: Included in NWADES project
304	*-- Implement Precision and Accuracy Reporting. We are required to report precision and accuracy (quality information) data to the EPA AQS system.*				EPA Grant			Phyllis Baas	Kathy Sundberg	Included in NWADES project

Environmental Monitoring

Manage environmental data with the Environmental Information Management (EIM) System and the Ambient Air Quality Monitoring System. Administer WOW volunteer monitoring database. Provide interpretive information. (Also see CWA 303(d) and TMDL databases under "Permitting and Compliance".)

ID	Project Description	Risk/ Impact	Non-Staff $ (1000s)	Staffing	Fund Source	Start Date Schd/Actl	End Date Schd/Actl	Project Sponsor	Project Manager	Comments
305	*-- Redevelop Air Quality Data Web Site. We dsiplay the Air Quality Index for each county of the state on the web as well as 3-5 days of trending information on the Internet for use by the general public and those particularly affected by air pollution. This project proposes to integrate this web site more tighly with the new data acquisition system.*				EPA Grant			Phyllis Baas	Kathy Sundberg	May be included in NWADES project; dependent on RFP responses. 8/24/06-This project is included in the NWADES project. (i.e. vendor will supply website/code)
336	*-- Ambient Air Quality Historical Data Access and Reporting (including 24 x 31). Our current telemetry system contains data as far back as 1999. Some of the data collected before this resides in a MS-SQL database and is not easily accessible by non-IT staff. Even older data resides in the EPA system. This project proposed to make data access (node and data flows) and reporting generation easier.*								Kathy Sundberg	Included in NWADES project
477	EAP Project Tracker/Study Tracker	Low								
30	*Maintain and enhance EAP project environmental data websites*	Low Medium	0.50		EAP	Ongoing		Ken Dzinbal	Steve Barrett	These websites include: 1) river and stream flow, 2) river and stream WQ, 3) marine WQ, 4) stream bioassessment, and 5) aquatic plants. 08/21/06 The web design guidelines have only been finalized for the 1st and 2nd tier pages. Guidelines for down-tier pages have not yet been finalized. Websites will be reworked to meet agency web design standards once standards are finalized.

Facility/Site Activities and Releases / Permitting and Compliance / Regulatory and Voluntary Assistance

Manage permit and compliance data with program-specific systems linked from F/SID via "interactions" (assumes standards for a minimum data set, common web-based technology to facilitate links, etc.).

ID	Project Description	Risk/ Impact	Non-Staff $ (1000s)	Staffing	Fund Source	Start Date Schd/Actl	End Date Schd/Actl	Project Sponsor	Project Manager	Comments
355	Ecology Information Portal (EIP) - Design, develop and implement production system. More information	Medium						Jim Pendowski	Balaji Narayanan	**Project start is behind schedule due to delayed completion of EIM-SedQual data migration project. There is a potential for further delay due to Business Portal priority activities.**

Facility/Site Activities and Releases / Permitting and Compliance / Regulatory and Voluntary Assistance

Manage permit and compliance data with program-specific systems linked from F/SID via "interactions" (assumes standards for a minimum data set, common web-based technology to facilitate links, etc.).

ID	Project Description	Risk/ Impact	Non-Staff $ (1000s)	Staffing	Fund Source	Start Date Schd/Actl	End Date Schd/Actl	Project Sponsor	Project Manager	Comments
447	-- ORA Business Portal - Release 3 Planning More information	Low Low					8-06	Polly Zehm	Scott Boettcher	
281	*Implement Air Quality Permitting*	Medium High								See Sub-projects
34	*-- Air Quality Burn Permit System Requirements and Prototype, Construction, Deployment More information*	Low Medium	40	1.00	Air		12-05	Stuart Clark	Dale Myers	Brewer Consulting hired to develop system. Product not delivered as of 8/05. Working with Brewer, Exec Sponsor and Dept of Agriculture to resolve issues. Brewer has until the end of 9/05 to deliver the system. 8/24/06: AQP staff are developing this system after Brewer defaulted on contract. An alpha version of application has been developed (based on user requirements/bus. rules). Database design approved by ECY DBA and is stable. Developers working with users to finalize application and move into test.
32	*-- Develop Internet-based maps of agricultural burn locations*	Low Medium			EPA Grant		6-05	Grant Pfeifer	Karen Wood	**08/31/06 - Impact rating was changed from High to Medium to be more consistent with ratings of other Ecology projects. Dependent on Burn Permit System being complete**
273	*-- Permit Timeliness Tracking*	Low Medium	20	0.50	AS		3-05	Greg Sorlie	Kathy Sundberg	8/03/2004: Contingent on funding from Greg Sorlie 8/19/2004: Funding approved by Greg Sorlie 10/04: Contractor on board; 10/11/04: Beginning Project Initiation Brewer Consulting hired to develop system. Product not delivered as of 8/05. Working with Brewer, Exec Sponsor and Dept of Agriculture to resolve issues. Brewer has until the end of 9/05 to deliver the system. 8/24/06: System finally delivered by Brewer; is currently in user testing which will continue for next 3 months or so.
296	-- eBurn Permit Applications. Develop on-line application for burn permit fees.									
33	*E-Payment for AQP fees. (ID: 281)*				Air					Requires enterprise e-payment strategy before e-payments can be implemented **Requires enterprise e-payment strategy before e-payments can be implemented (C37)**

Facility/Site Activities and Releases / Permitting and Compliance / Regulatory and Voluntary Assistance

Manage permit and compliance data with program-specific systems linked from F/SID via "interactions" (assumes standards for a minimum data set, common web-based technology to facilitate links, etc.).

ID	Project Description	Risk/ Impact	Non-Staff $ (1000s)	Staffing	Fund Source	Start Date Schd/Actl	End Date Schd/Actl	Project Sponsor	Project Manager	Comments
310	-- Web Based Point Source Emission Inventory-would allow local agencies and Ecology staff and optionally, industry, to report emission inventories in a clear and convenient format.							Phyllis Baas		The Emission Inventory database currently exists as approximately 220 files in 38 folders on the Y:/drive of an agency networked server. These files are mainly MS-Access databases and MS-Excel spreadsheets. While these files are well organized and accessible, each year of data is stored in a diferent database making analysis of data across years more dificult.
337	-- Air Toxics Emission Inventory--Incorporate toxics emission inventory in to isystem-would allow local agencies and Ecology staff and optionally, industry, to report emission inventories in a clear and convenient format.									
311	-- Area Emission Inventory-compile in a database assessible to all who need it							Phyllis Baas		
35	-- Assist vehicle emission testing contractor to complete the IT portions of their contract. More information	High Medium		0.80	Air			Stuart Clark	Phyllis Baas	On-going 8/24/06: Vendor performance is greatly improved. ECY staff working with vendor on continuous improvements.
338	-- Applus Data Warehouse and Reporting System - AQP receives emission check data from Applus and loads it into a database. A user application/tool that allows users to develop and run adhoc queries and reports with out having to learn programming is needed.									
329	Comprehensive motor vehicle emissions-Tracking/management system (replacing some of the old I/M system stuff, but tailored to today's needs and tomorrow's s needs). (288)									Proposed by Grant Pfeifer
44	Create on-line application for Pollution Prevention Planning (700 customers) (Scoping only)	Low Low	10	1.50	HWTR					Scoping improvements to database & electronic reporting tool for 700 facilities required to submit P2 Plans. Scoping might lead into a redevelopment project.

Facility/Site Activities and Releases / Permitting and Compliance / Regulatory and Voluntary Assistance

Manage permit and compliance data with program-specific systems linked from F/SID via "interactions" (assumes standards for a minimum data set, common web-based technology to facilitate links, etc.).

ID	Project Description	Risk/ Impact	Non-Staff $ (1000s)	Staffing	Fund Source	Start Date Schd/Actl	End Date Schd/Actl	Project Sponsor	Project Manager	Comments
46	*Redevelop Toxics Release Inventory (TRI) Application*	Low Low			HWTR			Idell Hansen	Ed Bentley	8/11/06. The TRI data exchange project has changed the structure of TRI files. We need to develop a front-end structure that allows us to work with the new file structure.
47	*Develop e-form for meeting registration (includes fee payment)*	Low Low			HWTR					**Requires enterprise e-payment strategy before e-payments can be implemented**
324	Aquatics Project Tracking System enhancements	Low Medium					6-07	Brian Lynn	Del Christensen	The security framework for Aquatics has been upgraded to work with the CASA Security Web Service. The Aquatics application has been upgraded to be able to bring in Facility Site ID numbers now that F/S data has been migrated to SQL database servers. The application is now hosted on an Agency application server. **Frequent crashes of the system due to the application's worker process being recycled, resulting in loss of a user's session. CASA SQL 2000**
40	Redevelop Shoreline Permit Tracking System (SPTS) More information	Low Low	163		SEA		1-08	Brian Lynn	Del Christensen	This project takes an Access application and creates a .net web-based application using a SQL database. **Linkage of system with F/SID?**
50	Provide Intranet access to WPLCS data with query capability (WebWPLCS)	Low Medium			WQ		12-05	Stephen Bernath	Nancy Winters	**The project is currently in development phase. TThe intent of this project is to present the WPLCS application on a browser, retaining current functions and capabilities with a controlled (limited) redevelopment effort. This also includes enhanced ad-hoc reporting. This project has been scoped and would involve developing an intranet Web-based application of WPLCS database retaining current functions and capabilities. IT unit is in the process of analyzing the reporting requirements**
51	*Provide Internet access to WPLCS data with query capability*	Low Medium		0.20	WQ			Stephen Bernath	Nancy Winters	**Project Scoping and workload allocation. This project will begin after the completion of WebWPLCS project. 08/31/06 - Risk rating was changed from Medium to Low to be more consistent with ratings of other Ecology projects.**

Facility/Site Activities and Releases / Permitting and Compliance / Regulatory and Voluntary Assistance

Manage permit and compliance data with program-specific systems linked from F/SID via "interactions" (assumes standards for a minimum data set, common web-based technology to facilitate links, etc.).

ID	Project Description	Risk/ Impact	Non-Staff $ (1000s)	Staffing	Fund Source	Start Date Schd/Actl	End Date Schd/Actl	Project Sponsor	Project Manager	Comments
52	*Link WPLCS to EPA's PCS system via CDX using Interim Data Exchange Format (IDEF) -- facility and permit modules to be linked in first year*	Medium Medium		1.00	WQ		12-03 12-05	Stephen Bernath	Raman Iyer	Will eliminate duplicate data entry and increase data accuracy; see related projects: Infrastructure (NEIEN node) and EIM (PNW WQ Data Exchange) **For the purposes of tracking information relating to the NPDES program, DOE maintains its own internal system, the Water Permitting Life Cycle System (WPLCS). In addition to maintaining WPLCS, DOE must maintain data in the US Environmental Protection Agency (EPA) Permit Compliance System (PCS) pertaining to the issuance of NPDES permits and data relating thereto. Having built an internal system, DOE was faced with the challenge of synchronizing data between WPLCS and the federal PCS system. At this time, DOE seeks to complete the development and testing of the data composition modules, implement the data exchange and achieve synchronization with the federal PCS system. This proposal outlines the scope, itemizes the tasks, budget and timeline needed to achieve this objective.**
53	Develop Watershed Assessment Tracking System (formerly known as 303(d) Tracking System) and Total Maximum Daily Load (TMDL) tracking database			0.30	WQ		12-03 12-05	Melissa Gildersleeve	Helen Bresler	**The Watershed Assessment Tracking System (WATS) database is now in production. The TMDL database (Phase II) is currently in the development stage.**
55	Modify WPLCS for construction stormwater permits	Medium		0.20	WQ		6-04 12-05	Stephen Bernath	Nancy Winters	**Upload of permit information to WPLCS. With the new E-application successfully implemented for the renewal application, the updated information from this database has to be uploaded into WPLCS Project scoping and workload allocation underway.**
56	Redevelop RITA (regulatory portion of whole effluent toxicity (WET) tests)				WQ			Melodie Selby	Dewey Weaver	To be done by contractor
57	Redevelop OPSCERT (wastewater treatment operators certification)	Low Low			WQ		4-04		James Jones	**Relationship to project 315???**
315	OPSCERT Application	Low Low					6-05	Stephen Bernath	James Jones	**Relationship to project 57???**

Facility/Site Activities and Releases / Permitting and Compliance / Regulatory and Voluntary Assistance

Manage permit and compliance data with program-specific systems linked from F/SID via "interactions" (assumes standards for a minimum data set, common web-based technology to facilitate links, etc.).

ID	Project Description	Risk/ Impact	Non-Staff $ (1000s)	Staffing	Fund Source	Start Date Schd/Actl	End Date Schd/Actl	Project Sponsor	Project Manager	Comments
316	Financial Tracking Tool Application	Low Low						Steve Carley	James Jones	**Database to track JLARC related information. mAn evaluative tool to judge risk of loans is being scoped.**
416	DAM SAFETY DATABASE: Redevelopment	Low Low					7-07	Doug Johnson	Brian Sebastian	Scheduled start date may be deferred to accommodate small maintenance projects for other databases.

Enforcement

Manage enforcement docket information

ID	Project Description	Risk/ Impact	Non-Staff $ (1000s)	Staffing	Fund Source	Start Date Schd/Actl	End Date Schd/Actl	Project Sponsor	Project Manager	Comments
449	Electronic Product Manufacturer Registration	Medium Medium					11-06	Margo Thompson	Craig Gilley	The 2006 Washington State Legislature passed Engrossed Substitute Senate Bill 6428 establishing an electronic product recycling law for the state. The law requires manufacturers of electronic products to provide consumer-convenient recycling services throughout the state no later than January 1, 2009. Manufacturers of covered electronics must register with and pay a fee to Ecology by Jan 1, 2007. This application will provide an online registration option and database store for these registrations.
425	Develop enhancements to the Metering System	Low Low					4-06 4-06	Ken Schuster	Brian Sebastian	
419	*-- METERING DATABASE 2005 - INTERNET ACCESS to reports of water use -- combined with the Metering Intranet Improvement Project*	Low Medium					1-07	Ken Schuster	Brian Sebastian	

Time Management / Accounting

Time Management / Accounting -- Manage time accounting information with the Time Management System (TMS) with links to AFRS (OFM systems). Nuclear Waste Program also uses Project Planning System with real time variance reporting. Support leave request/ approval process with a routed electronic form (ALF). TMS and ALF are expected to be replaced in the future by the new Human Resource Management System (HRMS) (DOP system).

ID	Project Description	Risk/ Impact	Non-Staff $ (1000s)	Staffing	Fund Source	Start Date Schd/Actl	End Date Schd/Actl	Project Sponsor	Project Manager	Comments
323	Redevelop WCC Project and Staff tracking system	Low Low					12-07	Brian Lynn	Del Christensen	Currently in BETA. **Developing an on-line application process.** **SQL 2000**

Time Management / Accounting

Time Management / Accounting -- Manage time accounting information with the Time Management System (TMS) with links to AFRS (OFM systems). Nuclear Waste Program also uses Project Planning System with real time variance reporting. Support leave request/ approval process with a routed electronic form (ALF). TMS and ALF are expected to be replaced in the future by the new Human Resource Management System (HRMS) (DOP system).

ID	Project Description	Risk/ Impact	Non-Staff $ (1000s)	Staffing	Fund Source	Start Date Schd/Actl	End Date Schd/Actl	Project Sponsor	Project Manager	Comments
445	-- On-line application process that imports applications received directly into a database for ease of retrieval and analyzing.	Low Low		1.00	SEA		8-06	Bridget Mason	Del Christensen	

Revenue Generation

Support the billing and revenue tracking function for fee programs with the Billing and Revenue Tracking System (BARTS). Support e-payments via electronic fund transfers, e-checks, and/or credit card payments.

ID	Project Description	Risk/ Impact	Non-Staff $ (1000s)	Staffing	Fund Source	Start Date Schd/Actl	End Date Schd/Actl	Project Sponsor	Project Manager	Comments
442	BARTS - Electronic Products Recycling Fee More information	Low Low					11-06	Cullen Stephenson	Kevin Barbee	Requirements analysis in progress. Project is on schedule.
348	BARTS Enhancment - Fee ID renumbering requested by EPA	Low Low			ADS		9-06	Dave Peeler	Kevin Barbee	SQL scripts and testing completed. Production data conversion scheduled for implementation by 9/06.

Other Business Area Investment

Site Cleanup

Manage site cleanup information with the Integrated Site Information System (ISIS). Manage sediments information with SEDQUAL. Manage Hanford site cleanup information with USDOE systems.

ID	Project Description	Risk/ Impact	Non-Staff $ (1000s)	Staffing	Fund Source	Start Date Schd/Actl	End Date Schd/Actl	Project Sponsor	Project Manager	Comments

Site Cleanup

Manage site cleanup information with the Integrated Site Information System (ISIS). Manage sediments information with SEDQUAL. Manage Hanford site cleanup information with USDOE systems.

ID	Project Description	Risk/ Impact	Non-Staff $ (1000s)	Staffing	Fund Source	Start Date Schd/Actl	End Date Schd/Actl	Project Sponsor	Project Manager	Comments
403	3i -- Internet / Intranet Improvement Project, Phase 2, Implementation More information	Low Low		0.50	TCP		12-05 12-06	Jim Pendowski	Melanie Saunders	Falls under Digital Government Initiative. Enhances access to Program information via the web. Benefits internal staff (HQ & Regions) as well as external persons. In Phase 1 (Discovery), we sought feedback about our web site from both internal and external parties. In the current phase (2), we are incrementally implementing recommended changes / additions from Discovery phase. The expected completion date for Phase 2 activities is December 2006. Follow-on projects are to be prioritized January 2007 for a possible 'Phase 3' of this project. **Phase 2 activities were re-prioritized in March 2006. An urgent new task was added February 2006 -- development of an "Online Guide" for homeowners and small businesses, to help them understand what to do if they discover 'toxic wastes' on their property and to make them aware of local resources for cleanup and disposal (legislative mandate, FY05-07 budget proviso).**
67	*Develop interactive web-based reporting for Integrated Site Information System (ISIS) More information*	Low Low		1.00	TCP TCP		7-07	Dave Bradley	Wayne Allenton	Falls under Digital Government Initiative. Enhances access to Program information via the web. Benefits internal staff (HQ & Regions) as well as external entities. **Staff turnover and changing priorities have caused the project to be delayed. The FY07 Brownfield Grant from EPA requires this to be completed 07/2007.**
402	*EnviroQual Analytical Tools (314) More information*	Low Medium	100	3.00	TCP		6-07	Jim Pendowski	Wayne Allenton	Redevelop the SEDQUAL Information System to use the EIM database as the central repository. This project will also expand SEDQUAL's aquatic focus to include all upland data as well. The purpose of EnviroQual analytical tools is to assist site managers and TCP management in assessing the current state of the environment by showing where we exceed established cleanup levels for over 600 chemicals. The application will also include a GIS component. **This project is dependent upon project #314 which will update the EIM database to accommodate the information that was formerly housed in the SEDQUAL database.**

Site Cleanup

Manage site cleanup information with the Integrated Site Information System (ISIS). Manage sediments information with SEDQUAL. Manage Hanford site cleanup information with USDOE systems.

ID	Project Description	Risk/ Impact	Non-Staff $ (1000s)	Staffing	Fund Source	Start Date Schd/Actl	End Date Schd/Actl	Project Sponsor	Project Manager	Comments
469	Source Control Analysis & Tracking System	Low Low		1.00	TCP		12-06	Jim Pendowski	Wayne Allenton	Develop new information system to support cleanup of contaminated waterbodies such as the Lower Duwamish Waterway. The new Source Control Analysis and Tracking system will manage information on all identified and potential sources of contamination to include cleanup sites, NPDES permits, stormwater discharge points and other sources of contamination adjacent to a waterbody.

Litter Cleanup

Support Ecology Youth Corps activities with database.

** No projects for this business area **

Recycling

Support hotline and web site with 1-800 RECYCLE data base

ID	Project Description	Risk/ Impact	Non-Staff $ (1000s)	Staffing	Fund Source	Start Date Schd/Actl	End Date Schd/Actl	Project Sponsor	Project Manager	Comments
71	*1-800 Recycle database updates. Phase II. Re-design of the on-line version of the hotline access database. This will add all the functionality to the on-line database that the hotline operators have.*	Low Medium			SWFAP		8-06	Jim Bill	Craig Gilley	This is essentially an upgrade in capability responding to user demands. The risk is somewhat elevated because the database is a critical program component and is used by staff to field thousands of calls per year.

Grants and Loans Administration

Manage grants information with Contracts and Grants Payable System (C&GPS). Manage loans information with new Loans Tracking System.

ID	Project Description	Risk/ Impact	Non-Staff $ (1000s)	Staffing	Fund Source	Start Date Schd/Actl	End Date Schd/Actl	Project Sponsor	Project Manager	Comments
424	TRUST WATER DATABASE: Phase II - Enhancement	Low Low						Hedia Adelsman	Jeremiah Miller	

External Reporting and Outreach

Support development and distribution of news releases with new system. Support maintenance of agency-level events calendar with new system. Support tracking of executive correspondence with the public through Enhanced Correspondence Tracking System.

ID	Project Description	Risk/ Impact	Non-Staff $ (1000s)	Staffing	Fund Source	Start Date Schd/Actl	End Date Schd/Actl	Project Sponsor	Project Manager	Comments

External Reporting and Outreach

Support development and distribution of news releases with new system. Support maintenance of agency-level events calendar with new system. Support tracking of executive correspondence with the public through Enhanced Correspondence Tracking System.

ID	Project Description	Risk/ Impact	Non-Staff $ (1000s)	Staffing	Fund Source	Start Date Schd/Actl	End Date Schd/Actl	Project Sponsor	Project Manager	Comments
73	*Develop e-News*	Low Medium						Sheryl Hutchison		EAP staffing in 99-01; development suspended in 01-03 due to lack of resources. Project now on hold pending implementation of web content management system. e-News would streamline editing, approval, and publishing of news releases.
72	*Solid Waste Information Clearinghouse. Develop solid waste information management system*	Low Medium			SWFAP SWFAP		1-08	Shelly McMurry	Craig Gilley	The goal is to have a system that allows state and local govt. users to learn from each other's work. They can identify and contact local projects or programs statewide, access finished products for modification and use, read about project implementation and sucess, and see how their programs' effectiveness compares to others. Legislators could use the system for the same purposes. The database would have a few distinct components: information clearinghouse (with downloadable materials), characterization section (so people can find similar programs and contact information), research section that documents the effectiveness of various tools/projects, and reporting section that quantifies progress towards environmental goals. This project is in the formative stages. Many conversations about scope and content lie ahead. Additionally, the project may be able to phased in. Some elements (a clearinghouse) might be easy to set up, while the research section might take more time. A query capability would be very helpful. THIS SYSTEM INCLUDES THE SWFA GRANTS DATABASES. This system is desired in concept but not well defined at present.

Interested Party Involvement

Support the public review and response process for proposed rules and other key documents with a new system.

ID	Project Description	Risk/ Impact	Non-Staff $ (1000s)	Staffing	Fund Source	Start Date Schd/Actl	End Date Schd/Actl	Project Sponsor	Project Manager	Comments
74	*Develop e-Comments System*	Low Medium						Jerry Thielen		EAP staffing in 99-01; 01-03 resources for continuing development and ongoing maintenance/support TBD. e-Comments would facilitate internal and public review of draft documents and preparation of responsiveness summaries.

Interested Party Involvement

Support the public review and response process for proposed rules and other key documents with a new system.

ID	Project Description	Risk/ Impact	Non-Staff $ (1000s)	Staffing	Fund Source	Start Date Schd/Actl	End Date Schd/Actl	Project Sponsor	Project Manager	Comments
432	Inter-Agency Compliance Team (Troublesome Sites) Portal - Develop a Web Portal using Microsoft Sharepoint Portal services, which will allow secure collaboration between internal and external business partners who share a common interest in achieving compliance with environmental laws and regulations at selected sites in King County, Washington.	Medium Medium					12-06	John Ridgway	Ed Bentley	

Program Coordination and development

** No projects for this business area **

Regulatory Planning and Administration

** No projects for this business area **

Information Management

ID	Project Description	Risk/ Impact	Non-Staff $ (1000s)	Staffing	Fund Source	Start Date Schd/Actl	End Date Schd/Actl	Project Sponsor	Project Manager	Comments
452	Redesign Ecology's Internet Web site. (Phase 2)	Low Medium					10-06	David Workman	Bob Monn	
253	Implement Enterprise Web Content Management Solution for Ecology's Internet Web Site (excludes applications) (Monn) More information	Low Medium	25		AS			Carol Fleskes	Bob Monn	Ecology participated on DIS project team and continues to participate in State of Washington and Pacific Northwest user groups. Ecology program interest is growing. **Scheduled start of start (originally 04/06) has been delayed indefinitely by IT reorganization and new workload within ADS.**
306	Implement Air Quality Program IT Infrastructure				Air					**08/31/2006 - Need more information**

Information Management

Manage environmental data with the Environmental Information Management (EIM) System and the Ambient Air Quality Monitoring System. Administer WOW volunteer monitoring database. Provide interpretive information. (Also see CWA 303(d) and TMDL databases under "Permitting and Compliance".)

ID	Project Description	Risk/ Impact	Non-Staff $ (1000s)	Staffing	Fund Source	Start Date Schd/Actl	End Date Schd/Actl	Project Sponsor	Project Manager	Comments
345	-- Electronic Data Transfer System for the School Bus Check-up Program-- Write a PDA program in a reporting format to collect scanned Bus ID data, and manually entered safety and opacity data. The program will produce a flat data file that can be ported to the OSPI server. Many PDA scanners contain MS Office software, including an Access database. We intend to purchase user friendly models that require minimal programming.									Project Description: As part of the Washington State Patrol's (WSP) annual safety inspection program for school buses, the WSP inspectors measure the opacity of the tailpipe exhaust. (Our I/M program measures opacity on school buses in our I/M areas.) Safety inspectors manually record the opacity data on their paper inspection reports. The inspection reports are transferred to the Office of Superintendent of Public Instruction (OSPI), and the opacity data is manually entered into OSPI's school bus database. Using funds from our Washington State Clean School Bus Program, the AQ Program would purchase Personal Digital Assistants with scanning capability and a barcode printer. OSPI would print barcodes with bus ID data to be placed on each school bus. WSP would scan the barcode to digitally enter the bus ID data. WSP would manually enter the additional safety inspection data and opacity readings into a PDA. Data from the PDA would be ported to a laptop computer. Data from the laptop computer would be ported to the OSPI server. OSPI would produce an annual emissions report on each school bus. Based upon these opacity tests, our I/M staff will work with OSPI and the school districts to reduce school bus emissions by improving school bus maintenance. **Submitted by Mike Boyer**
344	-- Data Analysis, Trends and Data summaries							Phyllis Baas	Kathy Jo Sullivan	On-going project 8/24/06: Incorporated new GMAP measures
24	*-- Maintain and enhance Ambient Air Quality data web site; provide more real-time data to public*			0.40	Air	Ongoing Ongoing		Phyllis Baas	Curtis Carpenter	Continuous Improvement project

Information Management

ID	Project Description	Risk/ Impact	Non-Staff $ (1000s)	Staffing	Fund Source	Start Date Schd/Actl	End Date Schd/Actl	Project Sponsor	Project Manager	Comments
473	Evaluation of Lab Accreditation Software tracking system.	Low Low					12-06	Stew Lombard	Stew Lombard	Oregon and Minnesota are jointly developing a software tracking system from Lab Accreditation. Both Oregon and Minnesota operate similar offices for Lab Accreditation as Washington, and the Ore/Minn software may offer more capabilities than the software WA is currently using. The software is available without charge as it is developed by Ore/Minn employees. After initial evaluation, and a recommendation to move forward, a project plan following agency guidelines is to be developed. **Software is in full use with all modules in Oregon. Minnesota is in production with basic modules, opening access to more modules as testing completes. Minnesota is scheduled to be using all modules by Oct 2006.** **Compliance with Lab Accreditation business requirements. Compliance with Agency standards and Agency application integration efforts.**
476	Inventory EAP Access databases and applications	Low Low					6-07	Bill Kammin	Warren Opfer	EAP Program Management has included an inventory of Access db and apps as part of the IT Strategy for 2007. The purpose is to move toward a coordinated and integrated data strategy for the program and to address risk of loosely managed databases. An inventory will collect information on how to coordinate data and identify how program units are protecting and securing data. **Data coordination and integration Data protection**
433	P3 Tracker and P3 Tracker Mail Out project enables staff to track status of Pollution Prevention Plans. Contains data on contacts, plan status, site visits, report status etc. The mail out portion enables staff to print/send letters and E-mails to Facilities who need to submit Plans, APR's and Plan Updates.	Low Low					3-07	John Ridgway	Mariusz Twardowski	Maintenance of P3 Tracker started 9/23/05. Deployment of the mail out feature is planned for 3/31/06. Phase 2 of this project will address BERS requests. Work is expected to start in the fall of 2006.
415	RSVP - Revised Site Visit Porgam is a remodel of the exiting EventTracker program. It will be used to collect, store, and display information for HW compliance visits at sites without RCRA Site ID numbers.	Low Low					11-06	John Ridgway	Ed Bentley	Project scheduled time lines have been adjusted

Information Management

ID	Project Description	Risk/ Impact	Non-Staff $ (1000s)	Staffing	Fund Source	Start Date Schd/Actl	End Date Schd/Actl	Project Sponsor	Project Manager	Comments
41	Modify/update HWTRInfo. Scope changing the application from MS Access to .Net.	Low Low		2.00	HWTR			Tina Russell	Mariusz Twardowski	Updates to the HWTRInfo system and development of data cubes, using OLAP.
45	*Develop Tier Two Report Form (web-based)*	Low Low	20	0.40	HWTR			John Wietfeld		**Requires enterprise e-forms strategy for Internet**

Infrastructure Investment

IS Help Desk

ID	Project Description	Risk/ Impact	Non-Staff $ (1000s)	Staffing	Fund Source	Start Date Schd/Actl	End Date Schd/Actl	Project Sponsor	Project Manager	Comments
479	Implement RIS Server at HQs to replace aging ImageCast Server, in direct support of imaging agency desktop and laptop computers with approved software and configuration.	Low Medium					12-06	Mary Ellen Bradley	Jane Smith	For past six years, IT staff at HQs have depended on an ImageCast Server to imiage all new computers prior to their release to desktop support staff for final setup. Ecology replaces all computers every four years. This same ImageCast server is used to reimage existing computers when they experience hardware or software failure, which requires a clean software installation. **ImageCast software is no longer support by manufacturer. No revisions of software have been available for several years. No technical support is available. All technical support provided by limited number of section staff, which report to IT Help Desk. 08/31/06 - Risk rating was change from Medium to Low and Impact rating was changed from High to Medium to be more consistent with ratings of other Ecology projects. Desktop support staff have insufficient time to do ground-up installation of computers. Without a system in place to image standard software onto hard drives, desktop support staff would not be able to reasonably schedule or handle the agency's computer replacement cycle.**

IS Help Desk

ID	Project Description	Risk/ Impact	Non-Staff $ (1000s)	Staffing	Fund Source	Start Date Schd/Actl	End Date Schd/Actl	Project Sponsor	Project Manager	Comments
480	Replace aging ISDN sets currently in use in Lacey Building with new ISDN sets. Replacement will be done through two purchases of 40 sets each. Telecom Staff will determine which ISDN sets will be replaced and coordinate their replacement with program staff as required.	Low Medium					6-07	Mary Ellen Bradley	Jane Smith	ISDN sets in use were installed when Lacey Building was built. Due to age and increasing hardware failiure, these sets need to be replaced with newer equipment. An estimated 80-90 ISDN sets will need to be replaced. Intent is to replace all old ISDN sets before end of biennium. **Two model ISDN sets will be purchased. The 8810T for reception areas which have multiple lines. The 8610T, will be purchased for managers and secretaries. Agency SIC (AC53I)will be used to cover initial acquisition of new ISDN sets. When program ISDN sets are replaced, the costs will be charged back to the program where they are installed. 08/31/06 - Risk rating was changed from Medium to Low to be more consistent with ratings of other Ecology projects.**

Domain Administration

ID	Project Description	Risk/ Impact	Non-Staff $ (1000s)	Staffing	Fund Source	Start Date Schd/Actl	End Date Schd/Actl	Project Sponsor	Project Manager	Comments
414	IT Security Awareness Training - provide security training to all staff to meet the ISB requirement.	Low Low				Ongoing		Carol Fleskes	Jim French	The goal is to provide I.S. security training to all staff. This project covers the first year of an on-going process. The first year will consist of a custom curriculum developed for Ecology. A video developed by DIS may be used for each of the next two years. **First round was completed and tracked by employee services. Subsequent sessions are planned at least bi-annually.**
411	Intrusion Detection System Project - Research tools and methods to detect and respond to network intrusion incidents.	Low Medium					12-06	Carol Fleskes	Jim French	

Network Infrastructure

ID	Project Description	Risk/ Impact	Non-Staff $ (1000s)	Staffing	Fund Source	Start Date Schd/Actl	End Date Schd/Actl	Project Sponsor	Project Manager	Comments

Network Infrastructure

ID	Project Description	Risk/ Impact	Non-Staff $ (1000s)	Staffing	Fund Source	Start Date Schd/Actl	End Date Schd/Actl	Project Sponsor	Project Manager	Comments
412	WAN Conversion Project - connect all Ecology WAN links to the statewide network (MPLS). More information	Low Medium					6-07	Carol Fleskes	Bill Gebo	Ecology currently has a series of point to point T-1 lines linked to HQ. Some of the remote locations connect through another Ecology to connect to HQ. This project will connect all remote connections directly to the nearest DIS location. **$35,000 + monthly fees of $12,000 - Dependent on Qwest and DIS schedules**
157	100 Mb Data Drops Project - Upgrade all network connections in Lacey Building to 100 MB as funded More information	Low Low			CA		6-05	Carol Fleskes	Bill Gebo	As of 8/1/05, the project is at least 90% complete. **Once all new printers are installed under the new print contract with Ricoh (early September), all remaining ports will be configured for 100Mb, and any NIC cards that have not been upgraded will be identified.**

ADS Infrastructure Activities

ID	Project Description	Risk/ Impact	Non-Staff $ (1000s)	Staffing	Fund Source	Start Date Schd/Actl	End Date Schd/Actl	Project Sponsor	Project Manager	Comments
451	Implement alternate Internet infrastructure for Ecology (staging and production servers only) as DR/BC solution for Ecology's basic Web presence	Low Medium						Carol Fleskes	Michael Heiser	Dependent on DIS implementation of enterprise DR solution. Production applications, data, and map servers would not be included pending identification of business critical needs beyond basic Web presence.

ADS Data/Database Administration

Provide enterprise data/database administration services

ID	Project Description	Risk/ Impact	Non-Staff $ (1000s)	Staffing	Fund Source	Start Date Schd/Actl	End Date Schd/Actl	Project Sponsor	Project Manager	Comments
185	*Exchange Network Support - Node Infrastructure, Implement additional EPA data exchanges via National Environmental Information Exchange Network More information*	Low Medium			AS EPA Grant		6-07	Carol Fleskes	Debbie Stewart	

ADS Geographic Information Systems (GIS)

Provide enterprise GIS infrastructure and services through implementation of GIS Strategy*, etc.

ID	Project Description	Risk/ Impact	Non-Staff $ (1000s)	Staffing	Fund Source	Start Date Schd/Actl	End Date Schd/Actl	Project Sponsor	Project Manager	Comments

ADS Geographic Information Systems (GIS)

Provide enterprise GIS infrastructure and services through implementation of GIS Strategy*, etc.

ID	Project Description	Risk/ Impact	Non-Staff $ (1000s)	Staffing	Fund Source	Start Date Schd/Actl	End Date Schd/Actl	Project Sponsor	Project Manager	Comments
270	Tool development for new hydrography layer/standard (Bernath) More information	Low Low		0.70	AS		1-07	Dave Peeler	Sharon O'Connor	Implement HydroFramework for Ecology (Water Quality assessments, stream gage, EIM monitoring stations). The EPA grant application for Hydro Tool development was not successful; a grant for Water Quality migration to LLID Hydroframework was received and the work has begun. **Assessment delineation complete. Standards discussion begun.**
426	*Washington Location Finder Project More information*	Medium Medium					10-08	Debbie Stewart	John Tooley	EPA Grant Funded
430	-- State GIT Enterprise Architecture - Phase 2 - Logical/Physical Design More information	Low Low					10-06	Carol Fleskes	John Tooley	Draft Use Cases completed
373	WQ Program Forest and Fish Projects - Needs Scoping (Barreca)	Low Low							Mike Woodall	
196	AgBurn Map Internet - Inform public at risk of respiratory impacts of field burning	Low Low			Air			Stuart Clark	Darby Veeck	
217	GIS Roadmap Data Projects - Implement Priority Data Projects (DOQQ Landsat Images, Parcel layers, Orthos, Address Geocoding, etc.) More information	Low Medium			AS	Ongoing		Carol Fleskes	John Tooley	Ongoing project; Parcels updated for 2006, BW Orthophoto migrated to ArcSDE, Color Orthophoto migrated to ArcSDE. AddressGeocoding renewed. Parcels completed round 2 updates. DOQQ beging actively added to GIS library Ortho Web Site.

Acronyms

The following is a listing of several acronyms used in this document:

AS	Administrative Services Program
CA	Cost Allocated
COP	Certificate of Participation
EAP	Environmental Assessment Program
HWTR	Hazardous Waste and Toxics Reduction
JLARC	Joint Legislative Audit and Review Committee
NA	Not Applicable
SIP	Savings Incentive Program
SPPR	Spills Planning, Prevention, and Response Program
SRF	State Revolving Fund
STCA	State Toxics Control Account

SWFAP	Solid Waste Financial Assistance Program
TCP	Toxics Cleanup Program
USEPA	US Environmental Protection Agency
WQ	Water Quality Program
WR	Water Resources Program
WSDOT	WA State Department of Transportation